

$$\iint_D \sqrt{y} dx dy \quad D = \left\{ (x, y) \mid \sqrt{\frac{x}{a}} + \sqrt{\frac{y}{b}} \leq 1 \quad (a > 0, b > 0) \right\}$$

$$\int_0^{\frac{\pi}{2}} dx \int_0^{\frac{\pi}{2}} \sin(x+y) dy$$